

Fault Symptoms

- B2866 Side Airbag, Passenger, Short to Ground
- B2867 Side Airbag, Passenger, Short to B+
- B2868 Side Airbag, Passenger, Open Circuit
- B2869 Side Airbag, Passenger, Resistance Too Low



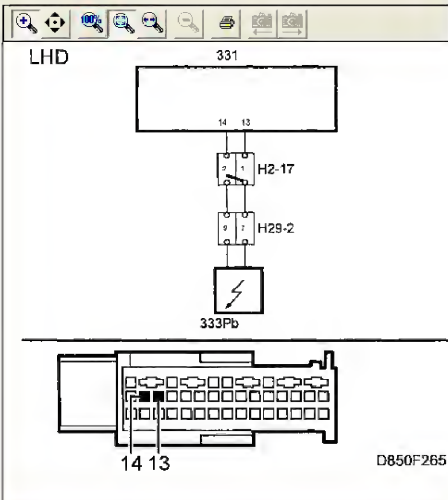
Fault Symptoms

Airbag warning lamp ON.

Conditions

The following conditions are applicable to the respective diagnostic trouble codes

- B2866**
- The voltage applied to **control module** pin 2 is **lower than 1.5 V** for 1.25 s.
- B2867**
- The voltage applied to **control module** pin 1 is **higher than 3.5 V** for 1.25 s.
- B2868**
- The resistance measured by the **control module** is **higher than 4.04 ohms** for 10 s
 - The resistance measured by the **control module** is **higher than 225 ohms** for 160 ms
 - Fault diagnosis will not be carried out if diagnostic trouble code B2861 or B2862 has been generated.
- B2869**
- The resistance measured by the **control module** is **lower than 1.50 ohms** for 20 s.
 - Fault diagnosis will not be carried out if diagnostic trouble code B2861 or B2862 has been generated.



Computers and Control Systems: Diagnostic Trouble Code Tests and Associated Procedures

Check the Harness Between Module and Airbag

Check The Wiring Harness Between The **Control Module** And The Passenger's Side Airbag

- Take a resistance reading between
- 13 **Control module**, Airbag
 - 14 Control module, Airbag

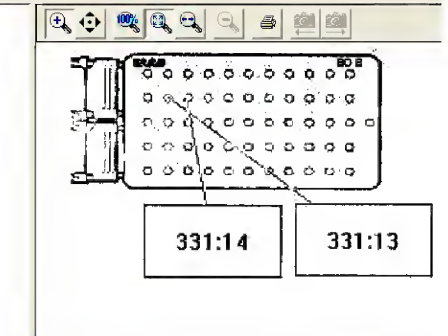


- Jiggle the leads and in-line connectors at several places and in different directions to reveal intermittent breaks and short circuits in the wiring harness. Observe the multimeter, test lamp or diagnostic tool while doing this.
- The reading should be 2 - 4 Ohm

Is the function correct?

NO - [See: Rectifying the Lead](#)

YES - [See: Changing Components](#)



Computers and Control Systems: System Diagnosis

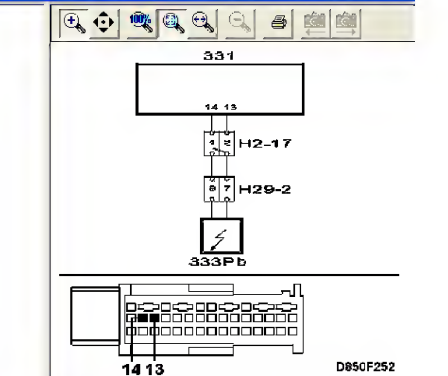
Rectifying the Lead

Rectifying The Lead



Repair or replace the lead concerned

[See: Final Check](#)



Computers and Control Systems: System Diagnosis

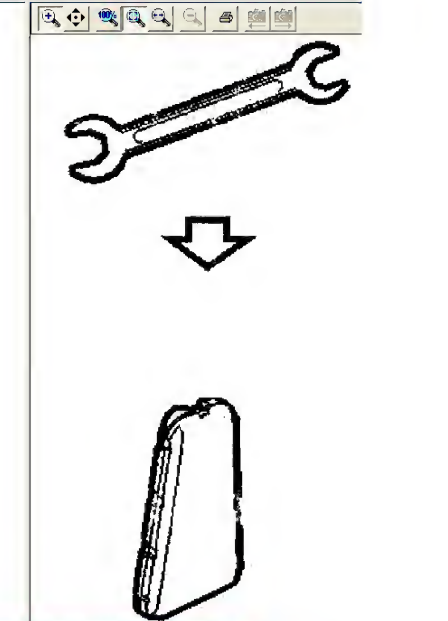
Changing Components

Changing Components



Change Side airbag, front passenger

[See: Final Check](#)



Computers and Control Systems: System Diagnosis

Final Check

Final Check



Final Check



- Clear the diagnostic trouble codes in all systems.
- Carry out a drive cycle:
- Drive the car at varying engine loads and engine rpm for **five minutes**.
- Evaluate the drive cycle:
- Check that the diagnostic trouble code has not recurred

Is the function correct?

NO - See 'Before changing a **control module**'.

YES - The steps taken to rectify the fault were correct.